Table 5-1. Sample Matrix Abbreviations.

Matrix Abbreviation	Explanation
SW	Surface water
AF	Adult fish
YF	Yearling fish
SP	Semipermeable membrane device
BS	Bedded sediment
BL	Bedload sediment
SS	Settling sediment

This sample number will follow the sample and its data through the entire data management system. Additional data associated with each sample will include:

-Sample collection time (military time)
-Sampling station location (latitude and longitude and/or river mile)
-Samplers identity
-Miscellaneous remarks and comments

5.1.3 Database

The database software used in this study will be the National Oceanic and Atmospheric Administration's (NOAA's) Query Manager 1.4 with MARPLOT™. This database was developed by NOAA's Hazardous Materials Response and Assessment Division, and will be used to manipulate the data for importing into mapping and graphical software packages, and for report preparation.

The NOAA has developed combined database and mapping projects using both MARPLOT and GIS ArcView graphical display capabilities to show the spatial relationships of sediment contaminant and toxicity data, natural resources, and habitat restoration projects; in the context of a watershed's features and land uses. Projects collect and summarize available information on chemical contamination of sediment and biota, and biological effects in the watershed of concern. Graphical displays facilitate a watershed approach to assessment and remediation.

Query Manager

Applicable to all NOAA Watershed Projects and other similar projects, the cross-platform Query Manager is a useful interactive system for displaying different types of data on maps and for providing a large amount of data in an easy-to-use and standardized format. Query Manager is based on a standardized database structure for all watershed projects, allowing users to select from a menu of database queries on sediment chemistry (surface and subsurface), sediment toxicity, and tissue chemistry, and automatically displays the results on a map in MARPLOT7 or saves the extracted data in an easy-to-use format for use with other applications such as ArcView.